

# SunBravo

## PM060MW6/PM060MB6

Mono-Crystalline Photovoltaic Module



Preliminary Edition



Power Range  
330 ~ 350 Wp



Multi-Busbar Design  
Enhanced module power output and reliability



Strong Wind Resistance  
Dynamic mechanical loading 4 times higher than the IEC requirement



PID-Resistance  
Certified high PID resistance passing 1000-hour tough environmental test



Superior Weak Light Performance  
Improved absorption of long wavelength light



Enhanced Salt Mist and Humidity Resistance  
12 times more salt-mist resistant and 40% more moisture exclusion



Ammonia Test  
Reliable in ammonia rich environment



# SunBravo PM060MW6/PM060MB6 (330 ~ 350 W<sub>p</sub>)

## Electrical Data ( STC )

Nominal Power P <sub>N</sub>	330W	333W	340W	345W	350W
Module Efficiency	18.6%	18.8%	19.2%	19.5%	19.8%
Nominal Voltage V <sub>mp</sub> (V)	33.82	33.98	33.75	34.01	34.26
Nominal Current I <sub>mp</sub> (A)	9.76	9.80	10.08	10.15	10.22
Open Circuit Voltage V <sub>oc</sub> (V)	40.08	40.25	39.82	40.10	40.38
Short Circuit Current I <sub>sc</sub> (A)	10.29	10.30	10.73	10.75	10.78
Maximum Tolerance of P <sub>N</sub>	0 / +3%				

\* Above data are the effective measurement at Standard Test Conditions (STC)  
 \* STC: irradiance 1000W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25 ± 2 °C, in accordance with EN 60904-3  
 \* Black back sheet (PM060MB6) is utilized for 330W & 333W; white back sheet (PM060MW6) is for 340W – 350W.  
 \* Measurement tolerances: STC ± 3 %

## Electrical Data ( NMOT )

Nominal Power P <sub>N</sub>	247W	250W	255W	259W	262W
Nominal Voltage V <sub>mp</sub> (V)	31.70	31.80	31.60	31.90	32.10
Nominal Current I <sub>mp</sub> (A)	7.81	7.86	8.06	8.12	8.17
Open Circuit Voltage V <sub>oc</sub> (V)	38.00	38.20	37.80	38.10	38.30
Short Circuit Current I <sub>sc</sub> (A)	8.33	8.34	8.69	8.71	8.73

\* Above data are the effective measurement at Nominal Module Operating Temperature (NMOT)  
 \* NMOT irradiance 800 W/m<sup>2</sup>, AM 1.5, air temperature 20 degree, wind speed 1 m/s

## Temperature Coefficient

NMOT	42 ± 2 °C
Typ. Temperature Coefficient of P <sub>n</sub>	-0.37% / K
Typ. Temperature Coefficient of V <sub>oc</sub>	-0.30% / K
Temperature Coefficient of I <sub>sc</sub>	0.07% / K

## Mechanical Characteristics

Dimensions (L x W x H)	1732 x 1022 x 40mm (68.18 x 40.23 x 1.57 in)*
Weight	20.6 kg ( 45.41 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	60 monocrystalline solar cells
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-68 rated with 3 bypass diodes
Connector Type	1000V : MC4 KST4 ; KBT4– I x 4 mm <sup>2</sup> (0.04 x 0.16 in <sup>2</sup> )

\* Module Dimension (L x W) Tolerance: ± 2 mm (0.079 in)

## Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage	1000 V
Serial Fuse Rating	20 A
Front / Rear Test Load	6000 Pa / 5400 Pa*
Max. Dynamic Mechanical Load	4800 Pa
Safety Class	II

\* AUO made internal tests to conform 6000Pa front and 5400 Pa rear side load with new IEC 61215-2:2016 norms.  
 [Test Load = Design Load x Safety Factor (1.5)]

## Warranties and Certifications

Product Warranty	Maximum 20 years for material and workmanship
Performance Guarantee	Guaranteed linear degradation to 85% for 25 years <sup>*1</sup>
Certifications	According to IEC/EN 61215 and IEC/EN 61730 guidelines <sup>*2</sup>

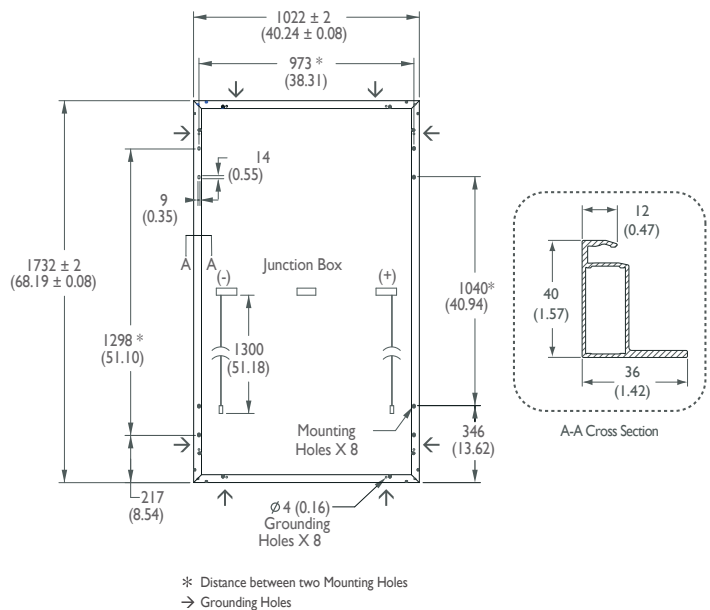
\*1: Please refer to warranty letter for detail

\*2: Please confirm other certifications with official dealers

## Packing Configuration

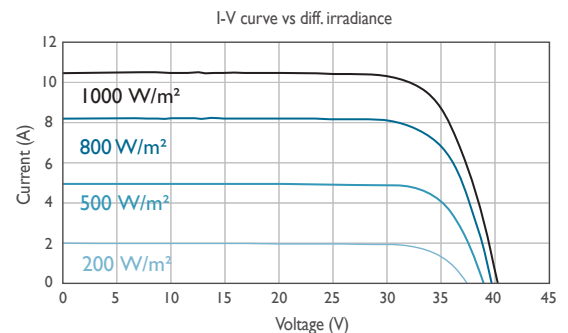
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	26	26	26
Pallets per Container	6	13	26
Pieces per Container	156	338	676

## Dimensions mm (inch)



\* Distance between two Mounting Holes  
 → Grounding Holes

## I-V Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

This datasheet complies with the EN 50380 requirements.



solar.AUO.com



## About AU Optronics

AU Optronics (AUO) is one of the world's leading providers of optoelectronic solutions. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop reliable and high quality energy solutions for residential, commercial, and utility segments.

© Copyright September 2019 AU Optronics Corp. All rights reserved. Information may change without notice. This datasheet is printed with Soy Ink.